

**Ackerman, Joyce**

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**From:** Dave Folkes <DFolkes@Geosyntec.com>  
**Sent:** Wednesday, November 22, 2017 3:50 PM  
**To:** Ackerman, Joyce  
**Cc:** Curtis Stovall - CDPHE; Walker - CDPHE, David; Richard Dean; Tobi L. Moore; Thomas J. Krasovec  
**Subject:** RE: Colorado regulations for asbestos contaminated soils

Thanks Joyce,

We understand the concern and expect that ACT will have a CABI on board for the road building, as well as test-pitting during the EM work. We have asked them to prepare a concise plan for managing asbestos consistent, addressing substantive CO ARAR requirements, for your approval.

Stratus will notify you of the additional contractors and subcontractors for this and the EM work, as soon as on board, per your earlier discussion with Tom.

We'll discuss further with you on Monday.

Thanks!

Dave

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**From:** Ackerman, Joyce [mailto:Ackerman.Joyce@epa.gov]  
**Sent:** Wednesday, November 22, 2017 3:22 PM  
**To:** Dave Folkes <DFolkes@Geosyntec.com>; Thomas J. Krasovec <TJKrasovec@Geosyntec.com>  
**Cc:** Curtis Stovall - CDPHE <curtis.stovall@state.co.us>; Walker - CDPHE, David <david.walker@state.co.us>  
**Subject:** RE: Colorado regulations for asbestos contaminated soils

Dear Dave and Tom – I am re-sending information received from CDPHE regarding regulations for asbestos contaminated soils. I am still in the process of reviewing the regulation myself and implementation of it for this CERCLA time-critical removal site.

We need to discuss this first thing next week before any Site preparation activities begin. Curt Stovall and I just discussed building of the access road. Even though building the access road may not involve any digging of soils, there may be asbestos-containing debris on the ground surface that could be impacted by laying gravel for the road. The Colorado Certified Asbestos Building Inspector needs to be on-Site during this activity.

Let's discuss further on Monday, November 27<sup>th</sup>. Thanks!

The Neuhauser Landfill Draft Drum Removal Work Plan (the "Work Plan") primarily addresses management of the known and potential waste drum and chemically contaminated soil at the Neuhauser Landfill (the "Site"). The first paragraph of Section 4 states that an asbestos contractor will be on call as needed to identify asbestos containing materials for remediation. The Division believes there is a potential of exposing or disturbing debris and/or soil that may contain, or may be contaminated with, asbestos during all surface and subsurface soil disturbing activities planned for the Site. This includes: electromagnetic (EM) geophysical surveys, test pitting, mobilization, construction of access roads, work areas and security fencing, drum and soil removal and work area restoration.

If debris and/or soil containing, or contaminated with asbestos is exposed or disturbed during any drum removal related activity it will trigger the requirements of Section 5.5 of the Colorado Regulations Pertaining to Solid Waste Sites and Facilities (Solid Waste Regulations)(6 Code of Colorado Regulations (CCR) 1007-2, Part 1). The requirements of Section 5.5 of the Solid Waste Regulations are significant and may create project delays if appropriate equipment and trained workers are not readily available if needed. Revise the Work Plan to describe how the various project soil disturbing activities will be observed to ensure that debris and/or soil that may contain, or be contaminated with, asbestos is properly identified. Briefly describe how the requirements of Section 5.5 of the Solid Waste Regulations will be complied with if debris and/or soil containing, or contaminated with asbestos is exposed or disturbed.

In practical terms, all soil disturbing activities at the Site should be observed by one or more Qualified Project Monitor(s) (QPMs) and/or Colorado Certified Asbestos Building Inspector(s) (Colorado CABIs) on an ongoing basis to look for suspect asbestos containing or contaminated soil or debris. The QPMs and CABI(s) must have the authority to stop the soil disturbing work if suspect material is identified. If suspect material is found, the contractor may assume that the material is asbestos and implement the required procedures, or the CABI may sample the material to determine if it is asbestos.

If asbestos is to be disturbed, the contractor conducting the work will notify the Division within 24-hours. To minimize the potential for delays if asbestos is encountered, the contractor performing the should be prepared to implement the Standard Requirements for the Disturbance of Regulated Asbestos-Contaminated Soil (RACS) of Section 5.5.7 of the Colorado Solid Waste Regulations. Alternately, the contractor may prepare, and submit to the Division for review and approval (before or after the start of the project), a Project Specific Management Plan or Standard Operating Procedures in accordance with Sections 5.5.5(A) and 5.5.5(B) of the Colorado Solid Waste Regulations.

Joyce Ackerman  
On-Scene Coordinator and START P.O.  
U.S. EPA Region 8  
1595 Wynkoop Street  
Denver, CO 80202  
(303) 312-6822

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